ZN411 Front Cover Art



Table of Contents

Introduction	3
Setup	4
Battery Installation	4
Battery Saver	4
Code Saver	4
Power-On default	5
TV Punch Through	5
VCR Punch Through	5
Code Setup	5
Button Functions	6
Advanced DVD Button Functions	8
TV/VCR Punch-Through	9
TV/VCR and TV/DVD Combo units	9
Code Entry	10
Direct Code Entry	10
Code Search	11
Code Identification	12
Sleep Timer	13
Code List	13
Product Operation	18
Troubleshooting	19

Introduction

Congratulations on your purchase of a Zenith Universal Remote Control. Zenith Universal Remotes let you replace a broken or lost remote or combine more than one remote into one.

This remote control operates the common features of most but not all models and brands of IR Infrared Controlled Video Equipment. This remote may provide functions that are not available on your equipment. Some functions of your particular equipment (e.g. menu functions) may not be controlled by this remote. In such cases, use the original remote control for your equipment. Please use this manual to become familiar with your Zenith Universal Remote. After you are familiar with your remote the first thing you need to do is to install batteries and setup your remote for your particular product and brand.

Thank you for buying a Zenith remote and we hope it will give you many years of service.







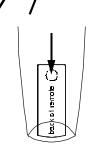
Setup

Battery Installation

- 1. On the back of the remote, push down on the tab and lift the cover off.
- 2. Match the batteries to the + and marks inside the battery case, then insert 2 AAA Alkaline batteries.
- 3. Press the battery cover back into place.



Your remote automatically times out if the buttons are depressed more than 30 seconds. This will save your batteries should your remote get stuck in a place where the buttons remain depressed (e.g., between the sofa cushions).



Code Saver

You will have up to 10 minutes to change the batteries in your remote without losing codes you have programmed. However, do not press any buttons until batteries are installed in the remote. If buttons are pressed without batteries in the remote, all codes will be lost.

Power-On Default

The remote powers on in TV mode.

TV Volume/Mute Punch-Through

The TV Volume/Mute punch-through feature lets you control the Volume and Mute function of your TV in any mode programmed to be a VCR, Cable, or DVD device, without needing to change to TV mode.

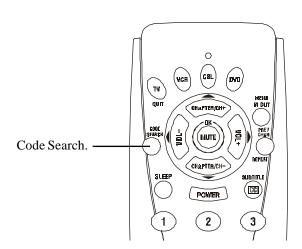
VCR Punch-Through

Punch-through to VCR mode is only allowed in TV, and Cable modes.

Code Setup

The Code Search button is used to setup the remote. You can either setup the remote using the code for your brand of product, from the code tables, or you can search through the library of codes until you find a code that works for your product.

NOTE: You can store any kind of code under any mode (except TV). I.E. you can store a VCR code under the CBL key, or a DVD code under the VCR key, etc. However, you can only store TV codes under the TV key.



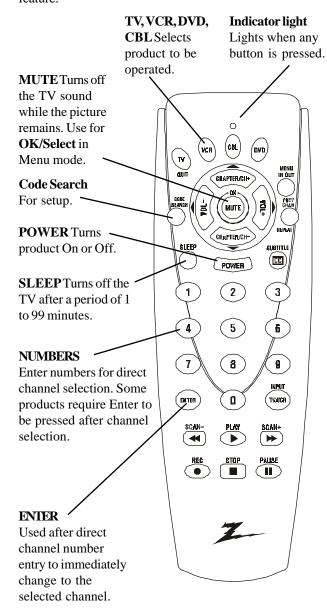






Button Functions

Some buttons on the remote might have functions that are referred to by different names on the device you are controlling. E.G. Prev. Ch. may be called RECALL, or ENTER may be called DISPLAY. These differences depend on the brand and model of your product. Also, this remote can only operate features that exist on your product. E.G., your product must be equipped with Prev. Ch. ability for the Prev. Ch. button to operate this feature.



Note: The REC button must be pressed TWICE to record from your VCR. For some brands of VCRs, you might need to press the REC button once, then press it again for three seconds.

Button Functions, cont.

CHANNEL Up/ VOLUME Up/ **Down** Changes Down Changes the volume level of the channels. the product, normally the TV. **OUIT** exits MENU In/Out Toggles from Menu in and out of menu mode. mode. Accesses the Menu functions of the device you are controlling. CBL) מאם) Prev. Ch. Returns to the previously MUTZ selected channel, or DVD repeat toggle. CHAPTER/CH Repeat performs (CC) POWER DVD players "A-B Repeat" (or RPT A.B) 3 2 function for repeat play of current 5 δ Chapter or Track. 7 8 9 CC (Subtitle) TV Closed Caption ENTER 0 TYYCA (if your TV has this feature) or DVD (▶ Subtitle toggle. TV/VCR/INPUT For some TVs, press repeatedly to select from available viewing sources (TV, CBL, etc.).

CHAPTER+/controls DVD track selection i.e. DVD Track Skip Up/Down (in DVD mode). Note the DVD Transport keys also control DVD when in DVD Mode.

RECORD, PLAY, STOP, REW, FF, PAUSE VCR control

buttons operate your VCR even when the remote is set to operate the TV. Also operates DVD Scan -/+.







Advanced Button Functions

DVD

Scan+ and Scan- buttons control the speed of Fast Forward and Reverse Playback respectively.

Chapter+ and **Chapter**- buttons respectively locate the succeeding or preceding Chapters or Tracks on a disc. **Repeat** button performs DVD players "A-B Repeat" (or RPT A.B) function for repeat play of current Chapter or Track

Play button is used to start Disc playback and for Menu selection on some DVD players.

Stop button stops Disc playback.

Pause button will pause Disc playback - press Play to resume.

Note - in DVD Mode the INPUT button activates the DVD Player's SETUP Menu.

MENUIN/OUT

The Menu In/Out button allows you to toggle in and out of Menu Mode. Pressing Menu In/Out brings up your device Menu. While in Menu mode the remote's red indicator light blinks continuously. The remote will exit Menu Mode after 20 seconds if no keys are pressed. While Menu Mode is active, the Menu, Channel, Volume, Mute and Mode keys perform the following functions:

MENU IN/OUT Exits/Enters Menu mode.

CHANNEL UP/DOWN Up/Down commands for onscreen Menu navigation.

VOLUME UP/DOWN Right/Left commands for onscreen Menu navigation.

MUTE OK/Select command for on-screen Menu selection.

TV Mode Key Quit, Exit or Clear command to quit onscreen Menu and return the remote to normal operation (red indicator is now off). Note this action is also available by pressing any Mode key.

8

TV/VCR Punch-Through

VCR Punch-through is only available in TV, and Cable modes, i.e. the 6 VCR keys (Play, Pause, Stop, Record, FF and Rewind) will punch-through to the device programmed under VCR when in TV mode.

The TV/VCR/INPUT button performs the TV/VCR antenna switch function when in VCR Mode.

The TV/VCR/INPUT button performs the A.B switch function when in Cable Mode.

The TV/VCR/INPUT button performs the INPUT source switch function when in TV Mode.

The TV/VCR/INPUT button performs the DVD Setup function when in DVD Mode.

Misc.

CC will activate the Closed Caption feature if your device has that feature.

TV/VCR and TV/DVD Combo units

Note that for some TV/VCR and TV/DVD combo units you might need to set up two different buttons to control both parts of the combo unit. E.G., (referring to the Direct Code Entry section on the following page) you might need to set up a code under the TV button to control the TV part of the combo unit AND a separate code for the VCR or DVD under any other button you choose.



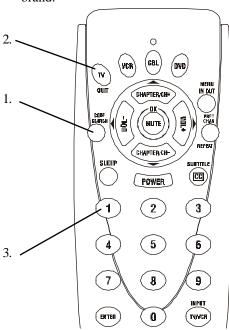


—



Direct Code Entry

- 1. Press and hold the Code Search button until the red indicator stays on. Release the Code Search button.
- 2. Press and release the desired mode button (TV, VCR, etc.).
 - The red indicator blinks, then stays lit.
- 3. Enter the 3 digit code from the code tables. Note: after a valid code entry, the red indicator turns off. For an invalid code, the red indicator flashes.
- 4. With your device on, press CHANNEL Up. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand.



Write your codes down here for easy reference later.

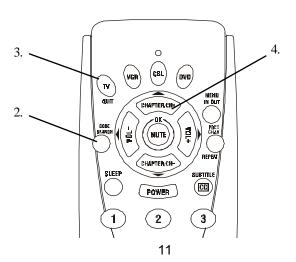
Type	Type stored	Code
TV	TV	
VCR		
DVD		
CBL		

Programming with Code Search

- Manually turn on the device (TV, VCR, etc.) to be controlled.
- 2. Press and hold Code Search button until the red indicator stays on. Release the Code Search button.
- 3. Press and release the desired mode button (TV, VCR, etc.).
 - The red indicator blinks, then stays lit.
- 4. Press the Channel Up button repeatedly (up to 300 times) until the device to be controlled changes channel. The red indicator blinks, then stays lit. If you accidentally overshoot the code required, press the Channel Down button to backtrack through the library until the device changes channel. Pressing Channel Up changes direction to forward again. Press and release the Mute button to install the code.

The above assumes that you want to store VCR codes under the VCR button, DVD codes under DVD, etc. If you want to store a VCR code under DVD, etc., first follow the procedure on page 10 and try ANY DVD code from the code tables, e.g. press DVD in step 2, page 10, and then enter ANY VCR code. Then follow the steps above.

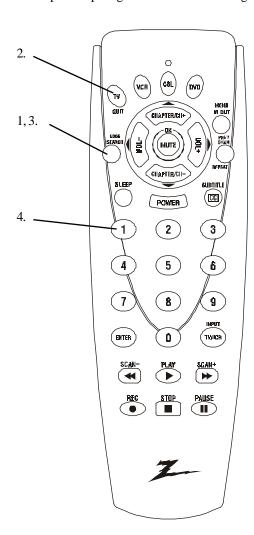
Note: If the device does not have a Channel Up button, use Play (VCR only) or Power instead. Code Search starts from the currently stored three digit number under that mode e.g. if the mode has 100 codes and the currently stored code is 050 then the Code Search starts from 051 continuing to 100 before looping back to 000 and finishing at 050. This simplifies the process if you find that several preprogrammed codes operate your device by allowing you to bypass codes already tried.



Code Identification

Code Identification

- 1. Press and hold Code Search button until the red indicator stays on. Release the Code Search button.
- 2. Press and release the desired mode button (TV, VCR, etc.).
 - The red indicator blinks, then stays lit.
- 3. Press and release the Code Search button. The indicator light blinks off.
- 4. To find the first digit for the code stored under the mode key pressed in step 2, press each numeric key from 0-9 in turn. When the indicator light blinks off the number you pressed is the first digit for the code you are searching for.
- 5. To find the second digit, repeat step 4, this time when the indicator light blinks off this is the second digit.
- 6. Repeat step 4 again to find the third digit.



12

Sleep Timer

The Sleep feature enables the remote to turn off the TV after a period of 1 to 99 minutes. Remote is to be in TV mode to set a Sleep Timer. This feature works even if your TV does not have this feature.

- 1. Press and release the TV Mode key.
- 2. Press and hold the Sleep button until LED remains on (occurring after approx. 2-3 seconds).
- 3. Release Sleep button.
- Press and release the numeric keys (01-99) for the time required. The LED will blink off to indicate keypress acceptance and remain off after second keypress.
- 5. TV Sleep Timer now set.
- 6. Leave the Remote pointing towards the TV with an unobstructed path.

To cancel the Sleep Timer, press and hold the Sleep key until the LED blinks or press and release the Power key in TV Mode.

Code List

TV

1 V	
ABEX	120
ADMIRAL701	918
ADVENTURA	019
AIKO	407
AIWA121	221
ALLERON	206
AMARK	603
AMTRON	906
AKAI	801
AMSTRAD	520
ANAM NATIONAL . 104	805
901 906	920
AOC002 003 102	
217 302 502	814
ARCHER	603
AUDIOVOX	906
BANG & OLUFSEN	620
BELCOR	
BELL & HOWELL	506
601	701
BRADFORD	
BROKSONIC215	316
BROKWOOD	
CANDLE 002 019 402	
CAPEHART	
CELEBRITY	801
CENTURION	
CETRONIC	
CITIZEN 002 112 402	
502 512 701 805 906	
CLAIRTONE	003

CLASSIC	805
CLP	018
CLP CLASSIC 007 006	002
COLORTYME 002 502	602
CONCERTO002	502
CONCIERGE	713
CONTEC/CONY 003 802	805
902	906
CRAIG805	906
CROWN805	906
CURTIS MATHES 002	103
112 502	506
512 601 701	704
CXC805	906
DAEWOO 002 102	110
214 303 311	314
403 407 415 502	503
611 614 805 809	909
DAYTRON002	502
DIMENSIA 601	704
DUMONT002	713
DYNASTY	805
ELEKTRA	701
ELECTROBAND 003	801
ELECTROHOME002	502
803 901	914
EMERSON . 002 003 004	005
104 105 106 115	204
205 206 213 304 305	316
319 405 502 505 506	519
604 605 705 804 805	903
904 905	906
ENVISION002	502







FISHER 506 522	MOTOROLA901 918	SHARP 002 013 014 111 502	MAGNAVOX441 442
606 619 902	MTC002 003 102	509 712 812 813 913 918	MARANTZ441 442
FUJITSU206 321	112 502 512	SHOGUN 002	MITSUBISHI 841
FUNAI 206 805 906	MULTITECH 906	SIGNATURE 601 701 903	MUSTEK 744
FUTURETEC805 906	MULTIVISION 010	SIMPSON 402	NAD 944
GE 002 006 007 018 107	NAD 002 120 502 512	SONIC 003	NAKAMICHI 844
	NEC 002 102 110 111	SONY 202 414 708 801	ONKYO 843
704 719 803 806 810	502 510 602 901	SOUNDESIGN 002 206 402	OPTIMUS042 545
901 911	NIKEI 805	502 805 906	ORITRON 143
GIBRALTER002 713	NIKKO 002 407 502	SPECTRAVISION 921	PANASONIC
GOLDSTAR 002 102 117 207	NTC 407	SOUAREVIEW 520	PHILIPS 441 442 943
217 307 502 818 914	ONKING 805	SSS 002 805 906	PIONEER042 545
	ONWA805 906	STARLITE 906	PROSCAN 941
GRUNDY206 906			
HALLMARK	OPTIMUS120 618 OPTONICA111 918	SUPREMACY 019	RADIOSHACK 835 945
HARVARD 906		SUPREME 801	RCA 644 835 941 945
HITACHI 002 016 116 216	ORION 105 115 713	SYLVANIA 002 009 109	SAMSUNG 342
	PANASONIC 007 107 416		SAMPO
519 607 615 622 701	516 608 618 718 807 901	508 717 807 914 917	SEG
707 710 715 815 902 915	PHILCO 002 009 102 109	SYMPHONIC 520 904 906	SHARP
IMA 906	309 402 408 502	TANDY 918	SHERWOOD 144
INFINITY 807	508 807 901 914	TATUNG 901	SHINCO 644
INTEQ 713	PHILIPS 002 009 020 109	TECHNICS007 107	SONY 541
JANEIL 019	122 202 209 210 222	TECHWOOD002 007	TEAC042 545
JBL 807	310 322 402 408 422	107 502	THETA DIGITAL 042 545
JCB 801	508 510 807 822 901	TEKNIKA 002 019 102 112	TOSHIBA441 245
JC PENNY 002 007 102	914 917 919 922	206 209 402 407 502 512	WHARFEDALE 845
107 112 310 312	PHILIPS/MAGNAVOX 020	601 618 701 805 902 906	YAMAHA641 643
402 502 512 601 704	422 919 922	TELECAPTION 313	YAMAKAWA 445
719 803 806 818 907	PILOT 002	TELERENT601 701	ZENITH 241 142 345
JENSEN002 502	PIONEER002 120	TERA002 220	
JVC007 107 108	502 519 610	TMK002 502	Laser Disc
308 510 607 902	PORTLAND002 102	TOSHIBA 112 313 413 419	Euser Disc
KAWASHO 002 502 801	407 502	506 510 512 517 613 902	DENON 122
	PREGIGION ALO		DENON 132
KAYPANI 119	PRECISION 218	UNIVERSAL310 806	
	PRICE CLUB 112		PIONEER 132
KEC		VICTOR	PIONEER
KEC 805	PRICE CLUB 112	VICTOR 607	PIONEER 132 PROSCAN 432 RCA 432
KEC 805 KENWOOD 002 502 914	PRICE CLUB	VICTOR 607 VIDTECH 002 102 502	PIONEER
KEC	PRICE CLUB 112 PRISM 107	VICTOR	PIONEER 132 PROSCAN 432 RCA 432 SANYO 824 SONY 933
KEC	PRICE CLUB	VICTOR	PIONEER
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019 408 508 KONKA 203 208 219 306 317 417	PRICE CLUB	VICTOR	PIONEER 132 PROSCAN 432 RCA 432 SANYO 824 SONY 933 ZENITH 824
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019 408 508 KONKA 203 208 219 306 317 417 KTV 003 213 319	PRICE CLUB	VICTOR	PIONEER 132 PROSCAN 432 RCA 432 SANYO 824 SONY 933
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019 408 508 KONKA 203 208 219 306 317 417 KTV 003 213 319 608 703 805 906	PRICE CLUB	VICTOR	PIONEER 132 PROSCAN 432 RCA 432 SANYO 824 SONY 933 ZENITH 824
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019 408 508 KONKA 203 208 219 306 317 417 KTV 003 213 319 608 703 805 906 LODGENET 601 701	PRICE CLUB	VICTOR	PIONEER
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019	PRICE CLUB	VICTOR	PIONEER
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019	PRICE CLUB	VICTOR	PIONEER
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019	PRICE CLUB	VICTOR	PIONEER
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019	PRICE CLUB	VICTOR	PIONEER
KEC 805 KENWOOD 002 502 914 KLOSS NOVABEAM 019	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER 132 PROSCAN 432 RCA 432 SANYO 824 SONY 933 ZENITH 824 Cable ABC 048 148 248 348 747 847 947 ALLEGRO 054 154 AMERICAST 354 ANTRONIX 448 548 ARCHER 448 548 648 748 CABLETENNA 448 CABLEVIEW 448 CENTURY 748 CITIZEN 748
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER
KEC	PRICE CLUB	VICTOR	PIONEER







HYTEX 847	AKAI 027 235 335 424	JVC0
JASCO 748	524 624 724 924	326 3
JERROLD 048 050 148	ALLEGRO 326 534 925	KENWOOD
254 348 449 454 552	AMERICAN HIGH130 226	4
554 652 747 752 947	ASHA 425	KLH
MAGNAVOX 150	AUDIO DYNAMICS.025 436	KODAK 1
MEMOREX 250	AUDIOVOX 525	LLOYD
MOVIE TIME350 847	DAEWOO 529	LOGIK
NSC350 847	BELL & HOWELL 428	LXI
OAK249 550 847	BEAUMARK 425	MAGNAVOX . 130
PACE	BROKSONIC227 325	
PANASONIC452 647	530 626 632	MAGNIN
PARAGON 250	CALIX 525	MARANTZ 025 1
PHILIPS 150 549 650 748	CANDLE 025 026 425	428 436 5
750 848 850 948		MARTA
PIONEER 051 451 950	CANNON 130 226 535 635	MATSUSHITA
PULSAR	CAPERART 135 534	MEI
RADIO SHACK . 055 152 154	CARVER 330	MEMOREX 1
RCA	CCE230 826	324 3
REALISTIC 548	CITIZEN 025 026 425 525	428 5 MGA
REGENCY 349	625 725 825 826 COLORTYME	MGN TECHNOLO
REMBRANDT 947	COLT 230	MIDLAND
RUNCO	CRAIG 230 425 426 525	MINOLTA
SAMSUNG049 051	CURTIS MATHES 025	MITSUBISHI 0
SCIENTIFIC ATLANTA 248	124 130 226 324	229 231 3
251 351 451	425 526 635 725	531 629 6
SIGNAL049 449	CYBERNEX 425	MONTGOMERY
SIGNATURE 947	DAEWOO 026 135 625 626	MONTOOMERT
SL MARX 049	726 825 826 926	MOTOROLA 1
SPRUCER 647	DAYTRON 135	MTC3
STANDARD COMPONENTS	DBX025 436	MULTITECH
551	DIMENSIA 124	7
STARCOM 348 449 747	DYNATECH324 726	NEC 025 235 4
STARGATE049 449	ELECTROHOME027 525	725 731 8
STAR SIGHT 653	ELECTROPHONIC 525	NIKKO
STAR SIGHT CABLE	EMERSON 027 028 127	NOBLEX
SERVICE 352	128 130 226 227 228 324	OLYMPUS
STARQUEST 449	325 327 427 428 525 526	OPTIMUS0
		537 7
STAR TRAK 253	527 528 625 626 627 628	
STAR TRAK 253 TANDY 651	527 528 625 626 627 628 630 634 724 726 727 735	OPTONICA
		OPTONICA ORION
TANDY 651	630 634 724 726 727 735	
TANDY	630 634 724 726 727 735 827 828 927	ORION
TANDY	630 634 724 726 727 735 827 828 927 FISHER 025 029 129 328	ORION PANASONIC 0
TANDY	630 634 724 726 727 735 827 828 927 FISHER 025 029 129 328 330 426 428 928	ORION
TANDY	630 634 724 726 727 735 827 828 927 FISHER 025 029 129 328 330 426 428 928 FUJI 130 226 524	ORION
TANDY	630 634 724 726 727 735 827 828 927 FISHER025 029 129 328 330 426 428 928 FUJI130 226 524 FUNAI324 726 924	PANASONIC
TANDY	630 634 724 726 727 735 827 828 927 FISHER025 029 129 328 330 426 428 928 FUJI130 226 524 FUNAI324 726 924 GARRARD 726	ORION
TANDY	630 634 724 726 727 735 827 828 927 FISHER025 029 129 328 330 426 428 928 FUJI130 226 524 FUNAI324 726 924 GARRARD 726 GE26	ORION
TANDY	630 634 724 726 727 735 	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION
TANDY	630 634 724 726 727 735	ORION

JVC	025	225	239
32			436
KENWOOD			235
	428	436	725
KLH			237
KODAK			525
LLOYD		324	726
LOGIK			230
			525
LXI			
MAGNAVOX .			30 5
	34 536	635	734
MAGNIN			425
MADANTZ 0		226	
MARANTZ 02	25 130	226	330
428 43	36 530	535	725
MARTA			525
MATSUSHITA			226
MEI		130	226
MEMOREX	130	224	226
32	24 335	425	426
42			726
MGA			630
MGN TECHNO			425
MIDLAND			429
MINOLTA			834
MITSUBISHI .			131
229 23	31 329	431	436
531 62	9 630	730	930
			224
MONTGOMER	CI WA	KD	
			631
MOTOROLA.	130	224	226
MTC	324	425	726
MULTITECH	524	224	425
	726		230
			230
NEC 025 23			530
NEC 025 23	35 428	526	530
NEC 025 23	35 428 31 831	526 931	530 436
NEC 025 23 725 73 NIKKO	35 428 31 831	526 931	530 436 525
NEC 025 23 725 73 NIKKO NOBLEX	35 428 31 831	526 931	530 436
NEC 025 23 725 73 NIKKO NOBLEX	35 428 31 831	526 931	530 436 525
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS	35 428 31 831	526 931 130	530 436 525 425 226
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS	35 428 31 831 035	526 931 130 224	530 436 525 425 226 525
NEC 025 23 725 73 NIKKONOBLEX OLYMPUS OPTIMUS	35 428 31 831 035 37 737	526 931 130 224 837	530 436 525 425 226 525 937
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS OPTONICA	035	526 931 130 224 837 537	530 436 525 425 226 525
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS OPTONICA	035	526 931 130 224 837 537	530 436 525 425 226 525 937
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION	35 428 31 831 035 37 737	526 931 130 224 837 537	530 436 525 425 226 525 937 631 227
NEC 025 23	35 428 31 831 035 37 737 035	526 931 130 224 837 537 	530 436 525 425 226 525 937 631 227 130
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION PANASONIC 226 63	35 428 31 831 035 37 737 035 335 636	526 931 130 224 837 537 039 937	530 436 525 425 226 525 937 631 227 130 938
NEC 025 23	35 428 31 831 035 37 737 035 335 636	526 931 130 224 837 537 039 937	530 436 525 425 226 525 937 631 227 130
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION PANASONIC 226 63	35 428 31 831 035 37 737 035 35 636 86 629	526 931 130 224 837 537 039 937 725	530 436 525 425 226 525 937 631 227 130 938 834
NEC 025 23	35 428 31 831 035 37 737 035 35 636 36 629 EARCH	526 931 130 224 837 537 039 937 725 H	530 436 525 425 226 525 937 631 227 130 938 834 025
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION PANASONIC 226 63 PENTAX 13 PENTEX RESI PHILCO 13	35 428 31 831 035 37 737 035 335 636 86 629 EARCH 80 226	526 931 130 224 837 537 039 937 725 I 330	530 436 525 425 226 525 937 631 227 130 938 834 025 635
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION PANASONIC 226 63 PENTAX 13 PENTEX RESI PHILCO 13 PHILIPS 13	035 37 737 035 36 636 36 629 EARCH 80 226 80 226	526 931 130 224 837 537 039 937 725 H 330 330	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION PANASONIC 226 63 PENTAX 13 PENTEX RESI PHILCO 13	035 37 737 035 36 636 36 629 EARCH 80 226 80 226	526 931 130 224 837 537 039 937 725 H 330 330	530 436 525 425 226 525 937 631 227 130 938 834 025 635
NEC 025 22 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS OPTONICA ORION PANASONIC	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 30 226 34 439	526 931 130 224 837 537 039 937 725 H 330 330 536	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631
NEC 025 22 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS 53 OPTONICA ORION PANASONIC 226 63 PENTAX 13 PENTEX RESI PHILCO 13 PHILIPS 13	35 428 31 831 035 37 737 035 35 636 36 629 EARCH 30 226 30 226 34 439 34 738	526 931 130 224 837 537 039 937 725 11 330 536 934	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937
NEC 025 22 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS OPTONICA ORION	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 34 738 NAVO	526 931 130 224 837 537 039 937 725 H 330 536 934 X	530 436 525 425 226 525 937 631 2277 130 938 834 025 635 430 631 937 434
NEC 025 23	035 87 737 035 86 629 EARCH 80 226 84 439 84 738 NAVO	526 931 130 224 837 537 039 937 725 H 330 330 536 934 X	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 934
NEC 025 23	035 87 737 035 86 629 EARCH 80 226 84 439 84 738 NAVO	526 931 130 224 837 537 039 937 725 H 330 330 536 934 X	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 934
NEC 025 23	035 87 737 035 86 629 EARCH 80 226 84 439 84 738 NAVO	526 931 130 224 837 537 725 1 330 330 536 934 X	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 934 25
NEC 025 23	035 87 737 035 86 629 EARCH 80 226 84 439 84 738 NAVO	526 931 130 224 837 537 937 725 H 330 330 536 934 X 436	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 934 25 629
NEC 025 23	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 NAVO	526 931 130 224 837 537 039 937 725 H 330 536 934 X 436 725	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 934 25 629 825
NEC 025 2:	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 NAVO	526 931 130 224 837 537 725 H 330 536 934 X 436 725	530 436 525 425 525 937 631 227 130 938 834 025 635 430 937 434 934 25 629 825 124
NEC 025 2:	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 NAVO	526 931 130 224 837 537 725 H 330 536 934 X 436 725	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 934 25 629 825
NEC 025 2:	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 NAVO	526 931 130 224 837 537 039 937 725 14 330 934 X 436 725	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 937 434 934 25 629 825 124 230
NEC 025 2:	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 NAVO	526 931 130 224 837 537 039 937 725 536 934 X 436 725	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 937 434 934 25 629 825 1124 230 534
NEC 025 2:	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 34 439 NAVO	526 931 130 224 837 537 039 937 725 14 436 725 436 725	530 436 525 425 226 525 937 631 2277 130 938 834 025 635 430 934 439 825 124 230 534 428
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS	35 428 31 831 035 37 737 035 36 636 36 629 EARCH 30 226 30 226 34 439 84 738 NAVO	526 931 	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 937 434 934 25 629 825 1124 230 534
NEC 025 23 725 73 NIKKO NOBLEX OLYMPUS OPTIMUS	35 428 31 831 035 37 737 035 36 636 36 629 EARCH 30 226 30 226 34 439 84 738 NAVO	526 931 	530 436 525 425 226 525 937 631 227 130 938 834 025 635 430 631 937 434 428 428
NEC 025 22 725 73 NIKKO	35 428 31 831 035 37 737 035 36 629 EARCH 30 226 30 226 34 439 34 738 NAVO	526 931 	530 436 525 425 226 525 937 631 227 7 130 938 834 025 635 430 631 937 434 934 25 629 825 124 230 543 443 443 444 444 444 444 444 444 444
NEC 025 22 725 73 NIKKO	35 428 31 831 035 37 737 035 36 629 38 636 30 226 30 226 34 439 34 738 NAVO	526 931 	530 436 525 425 226 525 937 631 227 7 130 938 834 025 635 430 631 937 434 934 25 629 825 124 230 430 430 430 430 430 430 430 430 430 4
NEC 025 22	35 428 31 831 31 831 33 831 37 737 35 636 36 629 38 439 38 438 38 738 39 226 30 226 31 439 32 232 26 135	526 931 	530 436 525 425 226 525 937 631 227 130 938 430 937 434 934
NEC 025 22	35 428 31 831 31 831 33 831 37 737 35 636 36 629 38 439 38 438 38 738 39 226 30 226 31 439 32 232 26 135	526 931 	530 436 525 425 226 525 937 631 227 7 130 938 834 025 635 430 631 937 434 934 25 629 825 124 230 430 430 430 430 430 430 430 430 430 4
NEC 025 22	35 428 31 831	526 931 	530 436 525 425 226 525 937 631 227 130 938 430 937 434 934 428 230 937 428 428 428 428 428 428 428 428
NEC 025 22	35 428 31 831 035 37 737 035 36 639 36 629 38 439 39 226 30 226 34 439 34 738 NAVO	526 931 	530 436 525 425 226 525 937 631 227 130 938 430 937 434 934

RADIOSHACK	027	029	
124 129 130	224	226	324
335 425 426			
635 726 737	835	837	937
RADIX			525
RANDEX			525
REALISTIC	027	029	035
124 129 130			324
124 129 130	420	525	
335 425 426	428	525	631
635 726	737	837	937
REPLAY			938
RICOH			936
RUNCO			534
SAMSUNG 037	335	425	427
429 537	624	625	629
SANKV	٠	224	
SANKY SANSUI	225	222	126
SANSUI	233	333	
SANYO 328	425	426	428
SCOTT 325	327		625
626	630	735	
SEARS 029	129	130	226
330	426	428	525
629			
SHARP 027			
631	627	727	825
	037	220	023
SHINTOM		230	337
	524	629	936
SHOGUN			425
SIGNATURE			324
SINGER	130	226	230
SONY	034	038	138
238	524	838	936
	J 2 .		
CTC 130	226	620	834
STS 130	226	629	834
SYLVANIA	226 130	629 324	834 330
SYLVANIA 536	226 130 630	629 324 635	834 330 726
SYLVANIA 536 SYMPHONIC	226 130 630 225	629 324 635 324	834 330
SYLVANIA 536 SYMPHONIC TANDY	226 130 630 225	629 324 635 324 324	834 330 726
SYLVANIA 536 SYMPHONIC	226 130 630 225	629 324 635 324 324	834 330 726 726
SYLVANIA536 SYMPHONIC TANDYTASHIKO	226 130 630 225	629 324 635 324 324	834 330 726 726 428
SYLVANIA536 SYMPHONIC TANDYTASHIKOTATUNG	226 130 630 225	629 324 635 324 324	834 330 726 726 428 525 235
SYLVANIA 536 SYMPHONIC TANDY TASHIKO TATUNG TEAC	226 130 630 225 	629 324 635 324 324 324	834 330 726 726 428 525 235 726
SYLVANIA 536 SYMPHONIC TANDY TASHIKO TATUNG TEAC	226 130 630 225 	629 324 635 324 324 324	834 330 726 726 428 525 235 726
SYLVANIA 536 SYMPHONIC TANDY TASHIKO TATUNG TEAC TECHNICS TEKNIKA	226 130 630 225 235 035 130	629 324 635 324 324 324 130 134	834 330 726 726 428 525 235 726 226 226
SYLVANIA	226 130 630 225 235 035 130 324	629 324 635 324 324 324 130 134 525	834 330 726 428 525 235 726 226 226 726
SYLVANIA	226 130 630 225 235 035 130 324	629 324 635 324 324 324 130 134 525 738	834 330 726 726 428 525 726 226 226 726 838
SYLVANIA 536 SYMPHONIC TANDY TASHIKO TATUNG TECHNICS TEKNIKA TIVO	226 130 630 225 235 035 130 324 	629 324 635 324 324 324 130 134 525 738 330	834 330 726 726 428 525 235 726 226 226 726 838 433
SYLVANIA	226 130 630 225 235 035 130 324 029 629	629 324 635 324 324 324 130 134 525 738 330 630	834 330 726 726 428 525 235 726 226 726 838 433 735
SYLVANIA	226 130 630 225 235 035 130 324 029 629	629 324 635 324 324 324 130 134 525 738 330 630	834 330 726 726 428 525 235 726 226 726 838 433 735
SYLVANIA	226 130 630 225 235 035 130 324 029 629	629 324 635 324 324 324 130 134 525 738 330 630	834 330 726 726 428 525 235 726 226 726 838 433 735
SYLVANIA	226 130 630 225 235 035 130 324 029 629	629 324 635 324 324 130 134 525 738 330 630 425 526	834 330 726 428 525 235 726 226 726 838 433 735 525 828
SYLVANIA	226 130 630 225 235 035 130 324 629 629	629 324 635 324 324 130 134 525 738 330 630 425 526	834 330 726 726 428 525 235 726 226 726 838 433 735 525 828 425
SYLVANIA	226 130 630 225 235 035 130 324 629 425 	629 324 635 324 324 130 134 525 738 330 630 425 526	834 330 726 726 428 525 235 726 226 726 838 433 735 525 828 425 025
SYLVANIA	226 130 630 225 235 035 130 324 629 629 425	629 324 635 324 324 130 134 525 738 330 630 425 526	834 330 726 726 428 525 726 226 726 838 433 735 525 828 425 025 725
SYLVANIA	226 130 630 225 235 035 130 324 425 425	629 324 635 324 324 324 130 134 525 738 330 630 425 526 1	834 330 726 428 525 235 726 226 726 838 433 735 525 828 425 025 725 436
SYLVANIA	226 130 630 225 235 035 130 324 425 RCH 436	629 324 635 324 324 324 130 525 738 330 630 425 526 625 	834 330 726 428 525 235 726 226 726 838 433 735 525 828 425 025 725 436 027
SYLVANIA	226 130 630 225 235 035 130 324 425 RCH 436	629 324 635 324 324 130 134 525 738 330 630 425 526 625 625	834 330 726 428 525 226 226 726 838 433 735 525 828 425 025 725 436 027
SYLVANIA	226 130 630 225 235 035 130 324 029 629 RCH 436	629 324 635 324 324 130 134 525 738 330 630 425 526 625 625	834 330 726 428 525 235 726 226 726 838 433 735 525 828 425 025 725 436 027 725 425
SYLVANIA	226 130 630 225 235 035 130 324 029 629 RCH 436	629 324 635 324 324 130 134 525 738 330 630 425 526 625 625	834 330 726 428 525 235 726 226 726 838 433 735 525 828 425 025 725 436 027 725 425
SYLVANIA	226 130 630 225 235 035 130 324 029 629 RCH 436 436	629 324 635 324 324 130 134 525 738 330 630 425 625 625 625	834 330 726 428 525 235 726 226 226 726 838 433 735 525 425 025 425 425 425 226 226 226 226 226 226 226 226 226 2
SYLVANIA	226 130 630 225 235 130 324 425 RCH 436 130 425	629 324 635 324 324 130 134 525 738 330 630 425 625 625 625 625	834 330 726 428 525 235 726 226 226 726 838 433 735 525 425 025 425 425 425 525
SYLVANIA	226 130 630 225 235 130 324 425 RCH 436 130 425 726	629 324 635 324 324 324 324 330 134 525 738 330 630 425 526 625 224 426 735	834 330 726 726 428 525 235 726 226 226 726 838 433 735 525 828 425 027 725 436 027 725 425 226 838 838 838 843 843 843 843 843 843 843
SYLVANIA	226 130 630 225 235 035 130 324 425 436 130 425 726 445	629 324 635 324 324 324 323 134 525 738 330 630 425 526 	834 330 726 726 428 525 726 226 226 726 838 433 735 525 828 425 027 725 426 027 725 425 425 425 425 426 627 425 425 425 425 425 426 627 427 428 428 428 428 428 428 428 428 428 428
SYLVANIA	226 130 630 225 235 035 130 324 425 436 436 445 77S 436 445 76G GHG	629 324 635 324 324 130 525 738 330 630 425 526 625 625 625 735 625 735 630 735 738 738 738 738 738 738 738 738 738 738	834 330 726 726 428 525 726 226 726 838 433 735 525 828 425 025 725 436 027 725 425 226 838 433 735 525 828 425 925 828 425 927 825 826 927 827 828 828 828 828 828 828 828 828 8
SYLVANIA	226 130 630 225 235 035 130 324 425 436 436 425 77S 436 JGHG	629 324 635 324 324 130 324 130 630 425 526 625 625 625 025 625 025 324 230	834 330 726 726 428 525 726 226 726 838 433 735 525 828 425 025 725 426 027 725 425 226 838 433 735 525 828 425 025 725 436 027 725 425 425 425 425 425 425 425 425 425 4
SYLVANIA	226 130 630 225 235 035 130 324 425 436 436 425 436 425 436 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425 425	629 324 635 324 324 130 324 130 630 425 526 625 625 625 526 426 735 50USI 324 230 428	834 330 726 726 428 525 226 226 726 838 433 735 525 828 425 025 725 436 027 725 425 226 525 834 425 027 725 425 425 426 426 426 427 428 429 429 429 429 429 429 429 429 429 429
SYLVANIA	226 130 630 225 	629 324 635 324 324 130 134 130 525 526 625 625 625 224 426 735 230 230 428 123	834 330 726 726 428 525 726 226 726 838 433 735 525 828 425 025 725 436 027 725 425 526 525 834 627 725 436 027 725 436 027 725 436 626 627 627 628 628 628 628 628 628 628 628 628 628
SYLVANIA	226 130 630 225 	629 324 635 324 324 130 134 130 630 425 526 625 625 625 50USl 324 426 735 50USl 324 428 428 428 534	834 330 726 726 428 525 726 226 726 838 433 735 525 828 425 025 725 436 027 725 426 526 528 838 425 027 725 426 632 632 632 632 632 632 632 632 632 6
SYLVANIA	226 130 630 225 	629 324 635 324 324 130 134 130 630 425 526 625 625 625 50USl 324 426 735 50USl 324 428 428 428 534	834 330 726 726 428 525 726 226 726 838 433 735 525 828 425 025 725 436 027 725 426 526 528 838 425 027 725 426 632 632 632 632 632 632 632 632 632 6





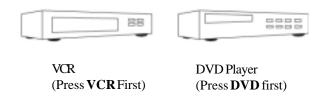
+

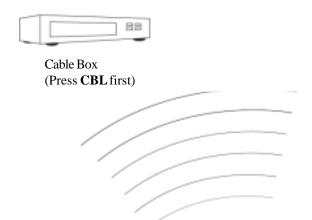
Product Operation

After the batteries are installed and you have programmed the remote for the codes that operate your products, you can use your remote to operate a TV, VCR, Cable Box, etc.



TV (Press TV First)

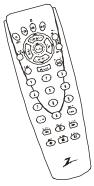




To Operate:

- 1. Press the TV, VCR, DVD, CBL, etc. button (depending on which product you want to operate).
- 2. Aim the remote at the product.
- 3. Press POWER to turn on the product.
- 4. Press other buttons to operate the features of your product.

18



Troubleshooting

Remote does not operate your product.

- Press the mode button of the product you want to control.
- Program the remote with a new code.
- Install new batteries. (You might have to reprogram your remote after installing new batteries.)
- Remote may not be compatible with your product.

Remote does not operate some features of your product.

- Program remote with a new code.
- Remote may not be able to operate all features of your product or button names might be different than your product.

Indicator light blinks after you program a product code.

- Remote did not accept the code.
- Try to program the code again or try a different code.







90 Day Warranty

This product is manufactured to ZENITH specifications and is free from defects in material, workmanship and assembly. This warranty extends only to the original purchaser and is nontransferable. Should a defect occur under normal operating conditions within 90 days from the date of purchase, ZENITH will provide a comparable replacement free of charge within the warranty period, to the original purchaser. Defective product must be returned, with the dated proof of purchase, to the place of purchase for replacement. This warranty does not extend to the product if it has been damaged or rendered defective as a result of accident, misuse, abuse, tampering with or modification. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IM-PLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICU-LAR PURPOSE. IN NO EVENT SHALL ZENITH BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CON-TRACT, TORT OR NEGLIGENCE. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some States do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may also have other rights, which vary from State to State.

Made in China-TC, Quality Assured in USA Clifton, NJ 07014-1115

ZN411 Back Cover Art



